

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED SIGNAL HEADS AND SIGNS TO MODIFY THE LEFT TURNS FOR US 1 NORTHBOUND AND SOUTHBOUND FROM EXCLUSIVE-PERMISSIVE PHASING TO EXCLUSIVE PHASING WITH FLASHING RED ARROW OPERATION AT THE INTERSECTION OF US 1 (BELAIR ROAD) AT MOUNT VISTA ROAD.

US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED MODE. THE US 1 NORTHBOUND AND SOUTHBOUND LEFT TURNS WILL OPERATE IN EXCLUSIVE PHASING WITH FLASHING RED ARROW OPERATION AT TIMES TO BE DETERMINED BY SHA.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER WITH TELEMETRY CABLE HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN.

EQUIPMENT LIST "A, B & C"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9571	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN	SF	38
	2 - R10-12(2) 48"X36"		
	2 - D-3(1) 60"X16"		

Equipment List "B"
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY	DESCRIPTION
1002	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8002	21 EA	12 INCH (R,Y,G) LED SIGNAL HEAD SECTION
8021	1 EA	REMOVE & DISPOSE OF EQUIPMENT
8049	38 SF	INSTALL OVERHEAD SIGN
8056	25 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8057	1550 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 1 AND 5	←C←	←G←	R	R	←C←	←G←	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	←C←	←G←	G	G	←C←	←G←	R	R	R	R	R	R	R	R
1 AND 6 CHANGE	←Y←	←Y←	G	G	←C←	←G←	R	R	R	R	R	R	R	R
PHASE 2 AND 5	←R←	←R←	R	R	←C←	←G←	G	G	R	R	R	R	R	R
2 AND 5 CHANGE	←R←	←R←	R	R	←Y←	←Y←	G	G	R	R	R	R	R	R
PHASE 2 AND 6	←R←	←R←	G	G	←R←	←R←	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	←R←	←R←	Y	Y	←R←	←R←	Y	Y	R	R	R	R	R	R
PHASE 2 AND 6 ALT	FL	FL	G	G	FL	FL	G	G	R	R	R	R	R	R
2 AND 6 ALT CHANGE	←R←	←R←	Y	Y	←R←	←R←	Y	Y	R	R	R	R	R	R
PHASE 4 AND 8	←R←	←R←	R	R	←R←	←R←	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL

SPECIAL NOTE:
PHASE 2 AND 6 ALT INCLUDE OPERATION OF US 1 NORTHBOUND AND SOUTHBOUND PERMISSIVE LEFT TURNS USING FLASHING RED ARROW OPERATION. TIME OF DAY OPERATION SHALL BE AS DIRECTED BY SHA.

CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

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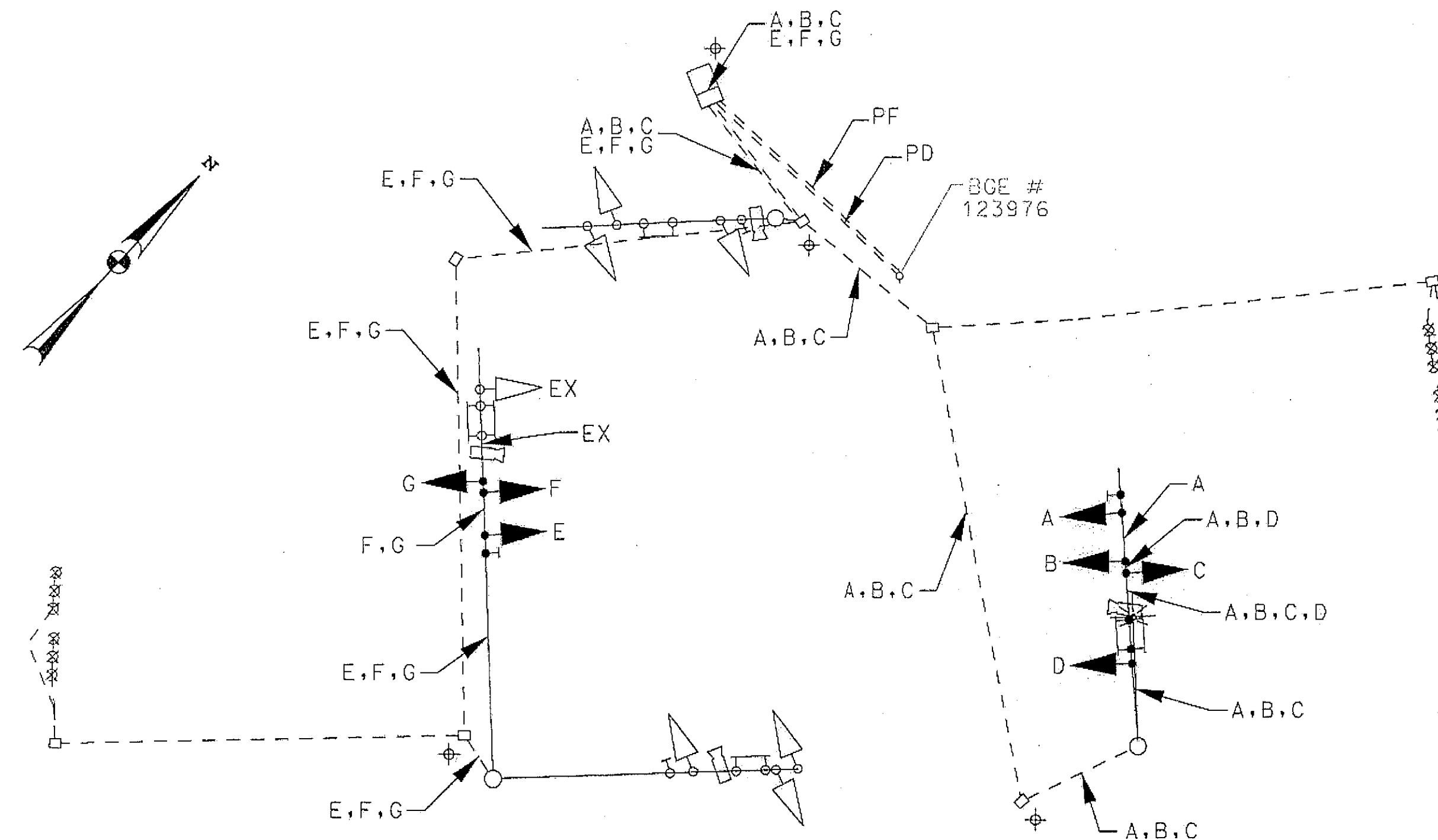
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WIRING KEY

A,B,C, E,F,G	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
D	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
EX	USE EXISTING CABLES
PF	EXISTING UNDERGROUND POWER FEED
PD	EXISTING UNDERGROUND TELEPHONE DROP
⊕	EXISTING GROUND ROD



GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 (BELAIR ROAD) AT
MOUNT VISTA ROAD
KINGSVILLE, MARYLAND

REVISIONS

GENERAL INFORMATION SHEET

SCALE NONE DATE MAY 2013 CONTRACT NO. XY1255185

DESIGNED BY GS COUNTY BALTIMORE

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FAP NO. TOD NO.

TS NO. 338G-GI DRAWING SP-2 OF 2 SHEET NO. 2 OF 2

RK&K

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